



Mobile Soldier System



The Mobile Soldier System is designed for the modern warfighter and utilizes a modular system design.

The **Mobile Soldier System** is a ruggedized, modular system which was specifically designed to meet the needs of the modern warfighter. This modular system features a lightweight CPU module, a 6.4" display, and an external battery. It is fully ruggedized and features a low-powered Intel® Atom™ processor.

FEATURES

Ruggedized, Lightweight Design: The Mobile Soldier System is designed to be worn by a soldier and operated in with minimal hindrance to the soldier's range of motion. The lightweight design of the Mobile Soldier System allows the soldier to move unrestricted on the battlefield. The warfighter can freely place each component anywhere on his person without being tied to a specific configuration. It is ruggedized to meet the demands for tactical military use and features a low-power CPU for extended battery life.

System Modularity: The Mobile Soldier System uses the versatile Glenair Mighty Mouse connector. This allows for maximum compatibility between components. The Mobile Soldier System is designed to be Nett Warrior compatible. For example, if a component is damaged it can be quickly replaced without significant system downtime. Accessories can also be added to the Mobile Soldier System, including: Headsets, USB to VGA Displays, HMMWV Adapters, and an external docking station can be connected to allow adding an external monitor, mouse and keyboard increasing its flexibility.

Low-powered, High-Performance CPU Module: The CPU module uses a low-powered Intel® Atom™ processor with the ideal balance between performance and battery life. Coupled with 2GB of RAM and a high speed SSD, the CPU module is both rugged and fast enough to run the state-of-the-art tactical applications. Battery life for the CPU module (depending on the attached accessories) is rated at nominally 5 hrs with a standard LI-80 battery.

Bright, Mobile Display: The 6.4" display is designed to provide the soldier with situational information in any conditions. It features a sunlight readable LED backlight LCD display with a 640 x 480 resolution.



SPECIFICATIONS



Peripherals can be easily added to the Mobile Soldier System's modular configuration.



The fan-less, fully sealed CPU box houses a state-of-the-art computer board and low-power Intel® Atom™ processor.



A proprietary Serial-to-Video technology drives the external 6.4" display. Optional display sizes are also available.

CPU

Dimensions	7" x 4.4" x 1.1"
Weight	Approximately 2lbs
Housing	Aluminum Alloy, Desert Tan
Processor	1.6Ghz Intel® Atom™ Z530 with HyperThreading
Memory	2GB DDR2, 128 Shared VRAM
Storage	64GB SSD with 256 bit AES encryption (optional)
System I/O	2 x USB 2.0 (Commercial x 1, Mighty Mouse x 1) 1 x Serial to Video to External Display 1 x Power Input Ethernet 10/100 (Optional) Serial RS/232 (Optional) Available via USB Docking Station: - VGA Video, 10/100 Ethernet, USB2.0 x 4, Audio Line IN/OUT
OS	Windows XP Professional, 7 or Linux
Battery	Internal Standby: 14Wh External: Li-80 - 80Wh Li-145 - 145Wh
Battery Life	Nominal Use: ±5 hrs (Li-80 Battery) Internal Standby Battery: ±30 mins
Standby States	Instant On S3 State (3 - 4 second recovery)
Carrying Method	Wearable Body Holster attached to Molle Vest
IP Rating	IP54 (Commercial USB connector unsealed) IP67 (Commercial USB removed)

6.4" EXTERNAL DISPLAY

Dimensions	5" x 7.3" x 0.85"
Weight	1.1 lbs
Housing	Aluminum Alloy, Black
Display Type	6.4" AMLCD, LED backlight
Resolution	640 x 480 pixels
Option Sizes	8.4", 10.4"
Luminance	400 nits, sunlight readable, dimmable to 1.5 nits
Contrast Ratio	250:1
Connector	6-pin Mighty Mouse Connectors
Signal Interface	Serial to Video interface (VGA optional)
Viewing Angle	65° (R/L), 50° (U), 60° (D)
Input Power	+5 VDC

